

WHAT IS CLAIMED IS:

1. A drilling head of a rock drill for use with a hand-held power tool and formed completely of a hard material, the drilling head comprising a main bit (2); and at least one auxiliary bit (3a, 3b) provided exclusively in a radially outer region of the drilling head and having an arcuate cutting edge (4a, 4b)

2. A drilling head according to claim 1, wherein the arcuate cutting edge (4a, 4b) of the at least one auxiliary bit is extensively axially rounded.

3. A drilling head according to claim 1, wherein the main bit (2) has two, diametrically offset, cutting edges (5a, 5b).

4. A drilling head according to claim 3, wherein the two cutting edges of the main bit (2) are connected, at a drilling head tip, by, a edge (6).

5. A drilling head according to claim 1, wherein the at least one auxiliary bit (3a, 3b) is axially offset with respect to a generating curve (7) of the main bit (2).

6. A drilling head according to claim 1, wherein the at least one auxiliary bit (3a, 3b) forms, in a radial plane, a pointed wedge angle (α) between 50° and 80° .